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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/831,440	05/09/2001	Andreas Berg	112740-168	4311

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BELL, BOYD & LLOYD, LLC  
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EXAMINER

RAMPURIA, SHARAD K

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 07/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/831,440	BERG ET AL.	
	Examiner	Art Unit	
	Sharad K. Rampuria	2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 May 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 12-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 23 is/are allowed.
- 6) ☒ Claim(s) 12-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____                                    |

***Response to Amendment***

Applicant's arguments with respect to claims 12-22 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 12-14, 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen (US 5995848) in view of Murray (US 6154644).

12. Regarding Claim 12, Nguyen disclosed a method for implementing a call back service in a mobile radio network (Abstract), the method comprising the steps of:

analyzing the service call by the service control point, including information relating to the calling party and a called party (col.12; 5-19)

transmitting a service call from a calling party, via a first mobile switching center in a first subnetwork, to a home location register in a second subnetwork; forwarding the service call

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by the home location register to a service control pointing in the second subnetwork. (Col.12; 5-19)

Nguyen fails to disclosed initiating a first call set-up to the calling party where the calling party becomes a called entity; and initiating a second call set-up to the called party where the called party becomes a calling entity. However, Murray teaches in an analogous art that initiating a first call set-up to the calling party where the calling party becomes a called entity (48; fig.2); and initiating a second call set-up to the called party where the called party becomes a calling entity. (col.3; 29-51 & col.5; 2-27) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include initiating a first call set-up to the calling party where the calling party becomes a called entity; and initiating a second call set-up to the called party where the called party becomes a calling entity in order to provide an interactive callback feature in a radio telecommunications network.

13. Regarding Claim 13, Nguyen A method for implementing a call back service in a mobile radio network as claimed in claim 12, wherein both the first and second call set-up are initiated by a second mobile switching center in the second subnetwork. (G-MSC; fig.2; col.12; 5-19).

14. Regarding Claim 14, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 13, the method further comprising:

sending, via the service control point, a connection set-up request to the second switching center. (col.12; 5-19)

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17. Regarding Claim 17, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

acknowledging receipt of the service call to the calling party by the service control point.

(col.11; 52- col.12; 4)

19. Regarding Claim 19, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

ending the service call, which is an intelligent service call, in an ordered manner by the respective service upon an unsuccessful call set-up. (col.5; 50-65)

20. Regarding Claim 20, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the steps of:

subscribing, by the subscriber, to a further intelligent network service; sending, via the service control point, a connection set-up request to the second switching center; and supplementing the connection set-up request by an identity of the further intelligent network service. (col.5; 50-65)

21. Regarding Claim 21, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of

suppressing, at the service control point, intelligent network dialogues produced with respect to the call originally received as a mobile terminated call. (col.5; 48 – col.6; 38)

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22. Regarding Claim 22, Nguyen disclosed A method for implementing a call back service in a mobile radio network as claimed in claim 20, the method further comprising the steps of: requesting a connection set-up to the called party after the successful connection set-up to the calling party; and supplementing a number originally dialed by an identity of the service control point responsible for the further intelligent network service. (col.12; 5-19)

Claims 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen & Murray further in view Joensuu.

15. Regarding Claim 15, the above combination disclosed all the particulars of the claim except a header in the service call. However, Joensuu teaches in an analogous art, that A method for implementing a call back service in a mobile radio network as claimed in claim 12, the method further comprising the step of:

starting a function in the home location register by a header in the service call. (90; fig.2; col.4; 1-28) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a header in the service call in order to provide originating the call within the system.

16. Regarding Claim 16, Nguyen disclose a method for implementing a call back service in a mobile radio network as claimed in claim 15, wherein the service call is supplemented by a call number of the calling party by the home location register before being forwarded to the service control point. (col.12; 5-19)

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Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen & Murray further in view Jonsson.

18. Regarding Claim 18, Nguyen disclosed all the particulars of the claim except generating charging information via the second switching center upon successful call set-up. However, Jonsson teaches in an analogous art that a method for implementing a call back service in a mobile radio network as claimed in claim 12 the method further comprising the step of:

generating charging information via the second switching center upon successful call set-up. (col.3; 20-44) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include generating charging information via the second switching center upon successful call set-up in order to provide charges associated with a serving PBX.

*Allowable Subject Matter*

The following is an examiner's statement of reasons for allowance:

Claim 23 is allowed based on Nguyen & Murray further in view Joensuu.

Regarding Claim 23, the above combination fails to disclose "expanding an USSD string, which is part of the service call, in the HLR and forwarding the service call with the expanded USSD string to a SCP".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is 703-308-4736. The examiner can normally be reached on Mon-Fri. (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone numbers for the




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organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

Sharad Rampuria  
July 9, 2004



WILLIAM TROST  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600